



217/782-0010

Commonwealth Edison
Maywood Technical Center
NPDES Permit No. IL0052064

APR 29 1982

Commonwealth Edison
Maywood Technical Center
Post Office Box 767, Room 1700E
Chicago, Illinois 60690

Gentlemen:

Based upon meetings held between our Agency and your company; our final determination is to modify the Permit as follows:

1. The establishment of effluent limits for the discharge of polychlorinated biphenyls and total suspended solids,
2. the establishment of a requirement to develop a best management program for the purpose of minimizing the discharge of PCB's and reducing the potential of PCB discharges from the subject facility,
3. to incorporate a compliance schedule for the development of the BMP program and
4. extension of the permit term to a full five year permit.

Enclosed is a copy of the Modified Permit.

Should you have any questions or comments regarding the above, please contact Mark A. Schollenberger of my staff.

Very truly yours,

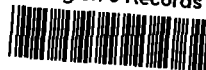
Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:MAS:dks/3660c, 2

Enclosure

cc: ✓ Region II/With Enclosure
USEPA/With Enclosure
Permit Section
Records Unit

EPA Region 5 Records Ctr.



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RECEIVED
ILL. ENVIRONMENTAL PROTECTION AGENCY

MAY - 5 1982

CIV. WATER POLLUTION CONTROL
FIELD OPERATIONS SECTION - REG. 2

FCY
DOK
FMD
CARRA

NPDES Permit No. IL0059064
Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
Modified (NPDES) Permit

RECEIVED
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
MAY - 5 1982
DIV. WATER POLLUTION CONTROL
FIELD OPERATIONS SECTION - REG. 2

Expiration Date: November 12, 1984 Issue Date: October 12, 1979
Modification Issue Date: April 29, 1982 Effective Date: November 12, 1979
Modification Effective Date: May 29, 1982

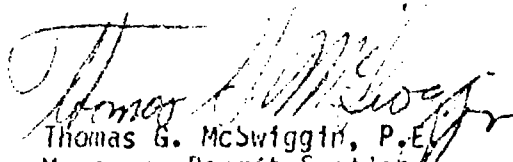
Permittee: Commonwealth Edison, Maywood Tech. Center

Facility Name and Address: 1319 South First Avenue,
Maywood, Illinois, Cook County

Receiving Waters: Des Plaines River

In compliance with the provisions of the Illinois Environmental Protection Act, the Chapter 3 Rules and Regulations of the Illinois Pollution Control Board, and the FWPCA, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.


Thomas G. McSwigglin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TG1:MAS:mjl/sp/4888a

Modification Date: April 29, 1982

NPDES Permit No. IL0059064

ATTACHMENT B

Effluent Limitations and Monitoring

Discharge Number(s): 001, 002

Discharge Name(s): Storm Water Runoff

From effective date of permit until June 30, 1984, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

PARAMETER	CONCENTRATION LIMITS mg/l		LOAD LIMITS lbs/day (Kg/day)		SAMPLE FREQUENCY IF DIS- CHARGE OCCURS	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)					Continuous Metering	
Oil, Fats and Grease	15	30			Grab	During Each Precipitation Event*
Polychlorinated						
Biphenyl Compounds					See Attachment B Continued Item #6	
Total Suspended Solids					See Attachment B Continued Item #6	

*See Attachment B-Continued, Item #6

Modification Date: April 29, 1982

NPDES Permit No. IL0059054

ATTACHMENT B

Effluent Limitations and Monitoring

From July 1, 1984, until November 12, 1984, the effluent of the above discharge(s) shall be monitored and limited as follows:

PARAMETER	CONCENTRATION LIMITS mg/l		LOAD LIMITS lbs/day (Kg/day)		SAMPLE FREQUENCY IF DIS- CHARGE OCCURS	SAMPLE TYPE
	30 DAY	DAILY	30 DAY	DAILY		
	AVERAGE	MAXIMUM	AVERAGE	MAXIMUM		
Flow (MGD)					Continuous Metering	
Oil, Fats and Grease	15	30			Grab	During each Precipitation Event*
Polychlorinated Biphenyl Compounds	1.0 ppb	1.0 ppb			See Attachment B Continued Item #6	
Total Suspended Solids	15	30			See Attachment B Continued Item #6	

*See Attachment B Continued, Item #6

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ATTACHMENT B CONTINUED

1. The pH shall be in the range 6.0 to 9.0.
2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream. Analysis for total suspended solids and PCB's shall be performed using the same sample.
3. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: NPDES Unit (DMR)

4. The completed Discharge Monitoring Report forms shall be retained by the permittee for a period of six months and then shall be mailed and received by the IEPA in accordance with the following schedule, unless otherwise specified by the permitting authority.

Period	Received by IEPA
February, March, April, May, June, July	September 1
August, September, October, November, December, January	March 1

5. For the purpose of this permit, the discharge is limited solely to storm water runoff, free from process and other wastewater discharges.
6. For outfalls 001 and 002, 24-hour storm composite samples for PCB's, and total suspended solids shall be taken during each day that a discharge exists, except that the number of such composite samples need not exceed five in any one month. A storm composite shall consist of a combination of sample aliquots collected during a precipitation event. Each sample aliquot shall consist of at least 50 milliliters and be collected at no more than one (1) hour intervals taken over the duration of the precipitation event or over a 24-hour period from the start of the precipitation event. A precipitation event for purposes this Permit is defined as a rainfall event exceeding three-tenths of an inch in a twenty-four hour period.

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ATTACHMENT B CONTINUED

7. Interim Polychlorinated Biphenyls Limits (PCBs)

From the effective date of this permit till July 1, 1984, if, based on a 24-hour composite sample, the PCB concentration exceeds 10.0 ppb, the permittee shall notify and report to the IEPA as if the discharge did not comply with the terms of the Permit. This notification shall be in accordance with Standard Condition 12(f), Attachment H.

8. Final Polychlorinated Biphenyls Limits (PCBs)

This permit defines best available treatment economically achievable (BAT) by a best management practices (BMP) program. Except for minor modifications to the existing treatment equipment, the IEPA does not envision additional treatment equipment as being the method to meet the 1.0 ppb BAT limitation for PCBs. During the interim period various alternative methods will be evaluated as to their ability to meet final limitations. If treatment equipment is installed a construction permit must be obtained from the IEPA prior to beginning construction. Prior to beginning construction, if upon the final compliance date listed herein, the BMP program has been approved and implemented and the Permittee can demonstrate that the final limits for PCBs or total suspended solids are not technically feasible or economically reasonable for any or all of the outfalls, despite the implementation of the BMP program, this Permit shall be subject to modification. The Agency has deemed the effective date for the final limit of 1.0 ppb for PCB's to be July 1, 1984 based upon the date mandated for BAT by the Clean Water Act and upon the Agency's determination that implementation of the BMP program can be achieved by that date. The Permit may be modified to include effluent conditions as achieved under the BMP program or other alternative reductions in effluent conditions beyond those achieved by the BMP program. By accepting the effluent limitations for PCB's and total suspended solids in this permit, the permittee does not concede that reductions in effluent conditions beyond those achieved by the BMP program may be required. If the permittee disagrees with the IEPA's determination of what the effluent limitation for PCB's or total suspended solids shall be from any outfall, the permittee may seek review of IEPA's decision before the Pollution Control Board. Such a review must be sought in accordance with Part V: Permits of Chapter 1: Procedural Rules of the Board's rules, as then in effect.

9. Polychlorinated Biphenyls Detection Limits

The effective operating limit of detection for the samples shall be equal to or less than 0.1 ppb. Effective operating limits of detection greater than the limits specified above must be approved by the Illinois EPA.

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ATTACHMENT B CONTINUED

10. Best Management Practices (BMP)

The permittee shall develop a best management practices program consistent with the United States Environmental Protection Agency (USEPA) guidance documents (Draft NPDES Best Management Practices Guidance Document, EPA-600/9-79-045, December 1979 and any other subsequent documents) for the purpose of minimizing the discharge of PCBs and reducing the potential of PCB discharge from the subject facility. The BMP for PCB's shall be implemented upon approval by the IEPA.

If the permittee disagrees with the IEPA's determination of what is to be included in the BMP program under this permit, the permittee may seek review of IEPA's decision before the Pollution Control Board. Such a review must be sought in accordance with Part V: Permits of Chapter 1: Procedural Rules of the Board's rules, as then in effect.

11. Schedule of Compliance for Best Management Practices (BMP) Program

The permittee shall complete the following items on or before the dates specified:

<u>Item</u>	<u>Date</u>
a. Submit draft BMP program	Completed /
b. Submit final BMP program for approval	July 15, 1982
c. Complete implementation of BMP program items not requiring construction	Within 90 days after approval of final BMP program
d. Commence construction of any necessary equipment under BMP program	June 1, 1983
e. Submit progress report	January 30, 1984
f. Complete construction	May 30, 1984

Within 15 days after the date specified in items d and f the permittee shall submit to the Agency a certificate as to whether the item has been completed.

12. A copy of any documents submitted to IEPA under paragraphs 10 or 11 shall be sent to: Director, Enforcement Division, USEPA, Region V.

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ATTACHMENT B CONTINUED

13. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of five (5) years or longer if requested by the Illinois Environmental Protection Agency.

14. The permittee shall provide a suitable means for retention of the sediment in the catch basins from being flushed into the Des Plaines River during storm events. Any sediments removed from catch basins shall be disposed in accordance with applicable laws and regulations.
15. For a period of six months, the solids fraction of the discharge shall also be analyzed for polychlorinated biphenyl compounds. The results of the analyses shall be submitted along with the discharge monitoring reports.